

Converting Colors

XYZ(43.8082, 60.2282, 49.9768)

Have a look what the booklet for
XYZ(43.8082, 60.2282, 49.9768)
contains.

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Color

**XYZ(43.7477, 60.0423,
49.8410)**

Conversions

Conversions Part 1

Format	Color
Hex	88DDAF
RGB	136, 221, 175
RGB Percent	53%, 87%, 69%
CMY	0.4667, 0.1333, 0.3137
CMYK	0.38, 0.00, 0.21, 0.13
HSL	148°, 56%, 70%
HSV	148°, 38%, 87%
XYZ	43.7477, 60.0423, 49.8410
YIQ	190.3410, -35.8940, -32.3260

Conversions

Conversions Part 2

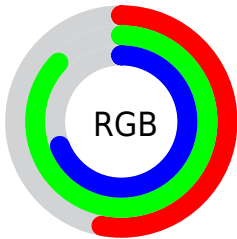
Format	Color
RYB	136, 194, 221
Decimal	8969647
CIELab	81.86, -35.77, 14.59
CIELCh	82, 38.628, 157.809
Yxy	60.0423, 0.2848, 0.3908
Android (android.graphics.Color)	4287159727 (0xFF88DDAF)
YUV	190.3410, -7.5631, -47.6571
Hunter-Lab	77.4870, -34.8244, 16.1045

Details

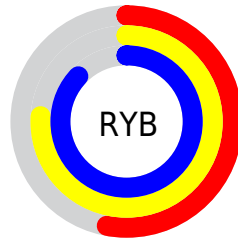
The XYZ color **43.7477, 60.0423, 49.8410** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **47.0685, 36.3594, 48.7958**, and the grayscale version is **49.1986, 51.7607, 56.3674**.

A 20% lighter version of the original color is **71.9220, 88.4960, 88.8920**, and **20.3613, 30.0647, 23.1423** is the 20% darker color. If you saturate the color by 10%, you get **39.3988, 57.9318, 43.7751**, and if you desaturate by 10%, it is **48.9439, 62.5809, 56.4923**.

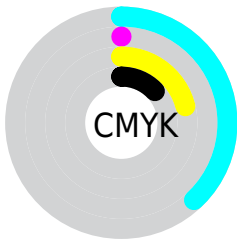
Distribution



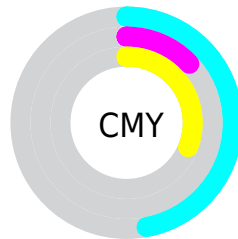
- Red (53%)
- Green (87%)
- Blue (69%)



- Red (53%)
- Yellow (76%)
- Blue (87%)



- Cyan (38%)
- Magenta (0%)
- Yellow (21%)
- Black (13%)



- Cyan (47%)
- Magenta (13%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7477, 60.0423, 49.8410 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 43.7477, 60.0423, 49.8410 by changing the saturation by 10% instead.

 43.7477, 60.0423,
49.8410


 43.7477, 60.0423,
49.8410


352.5473,
424.7537, 402.7611


 30.6693, 43.4527,
34.9168


 80.0867, 104.8910,
91.3331

 20.4977, 30.2405,
23.3157


 104.0779,
133.9190, 118.7381

 12.8677, 20.0212,
14.6193

 132.4374,
167.8618, 151.1404

 7.4139, 12.4105,
8.4090

165.5307,
207.1040, 188.9587

 3.7709, 7.0239,
4.2663

203.7229,
252.0299, 232.6113

 1.5733, 3.4770,
1.7725

247.3795,

 0.3749, 1.3856,

303.0239, 282.5169

0.4097

296.8659,
360.4703, 339.0939

■ 0.0000, 0.2060,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7477, 60.0423,
49.8410

■ 43.7477, 60.0423,
49.8410

■ 39.3988, 57.9318,
43.7751

■ 48.9439, 62.5809,
56.4923

■ 35.8439, 56.2172,
38.2744

■ 55.0271, 65.5628,
63.7406

■ 33.0308, 54.8737,
33.3229

■ 62.0402, 69.0114,
71.6022

■ 30.8989, 53.8703,
28.9027

■ 70.0217, 72.9463,
80.0914

■ 29.3769, 53.1706,
24.9944

■ 79.0080, 77.3862,
89.2223

■ 28.3603, 52.7211,
21.5762

■ 83.8498, 79.6760,
98.7656

■ 28.2261, 52.6625,
21.0917

■ 85.1476, 80.1951,
105.5992

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9867, 60.0423, 35.9309



43.7477, 60.0423, 49.8410



42.9023, 60.0423, 71.6682

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



43.7477, 60.0423, 49.8410



59.2252, 60.0423, 120.7131



70.3729, 60.0423, 41.5326

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



43.7477, 60.0423, 49.8410



47.0685, 36.3594, 48.7958

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0530, 60.0423, 59.4630



43.7477, 60.0423, 49.8410



67.2292, 60.0423, 107.6536

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.7477, 60.0423, 49.8410



51.3493, 60.0423, 116.3868



72.8509, 60.0423, 83.8436



63.1972, 60.0423, 31.9911

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.7477, 60.0423, 49.8410



44.2939, 60.0423, 88.6401



72.8509, 60.0423, 83.8436



72.0894, 60.0423, 46.5862

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



43.7493, 60.0448, 49.8424



82.1219, 93.6302, 94.9720



49.7715, 63.5298, 32.9327



17.3015, 19.9050, 20.0198



0.0000, 0.0000, 0.0000



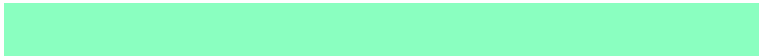
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.7493, 60.0448, 49.8424



55.6528, 80.6822, 62.2297



48.5037, 61.9465, 74.8785



13.1338, 14.7051, 15.1673



16.4520, 30.6134, 12.5458



1.1090, 2.0005, 1.0400

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.0685, 36.3594, 48.7958



60.8495, 43.5766, 60.5746



43.3768, 34.8827, 29.3555



13.3493, 13.1688, 15.1005



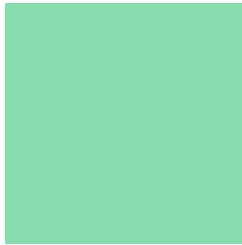
19.3355, 9.7352, 11.4127



1.2960, 0.6480, 0.9675

Previews

White Background



This preview shows how the XYZ color 43.7477, 60.0423, 49.8410 looks on a white background.

Color Contrast Check

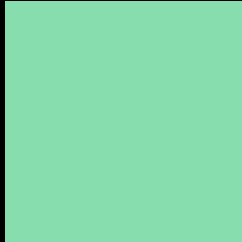
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 43.7477, 60.0423, 49.8410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.7477, 60.0423, 49.8410

Background



This preview shows how black text looks on a background with the XYZ color 43.7477, 60.0423, 49.8410.

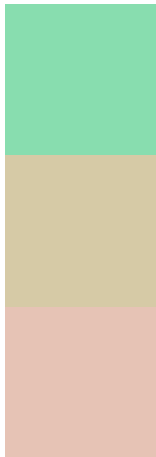


This preview shows how white text looks on a background with the XYZ color 43.7477, 60.0423,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

43.7477, 60.0423, 49.8410

Protanopia

55.7350, 59.2904, 44.5830

Deuteranopia

60.4887, 59.1894, 51.9527



Tritanopia

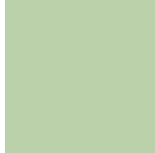
50.6125, 59.7476, 84.4662

Trichromacy



Original Color

43.7477, 60.0423, 49.8410



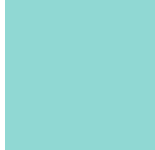
Protanomaly

50.2116, 58.9046, 46.2594



Deuteranomaly

52.4945, 58.1762, 51.1102



Tritanomaly

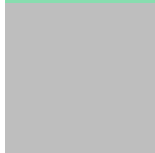
47.8153, 59.7442, 70.6397

Monochromacy



Original Color

43.7477, 60.0423, 49.8410



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.2212, 53.8221, 53.8515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7477, 60.0423, 49.8410 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(136, 221, 175)` looks like.

```
.text, #text, p{  
    color:rgb(136, 221, 175)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(136, 221, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 221, 175) }
```

Border

The CSS property to change the border of an element to XYZ 43.7477, 60.0423, 49.8410 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 221, 175) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(136, 221, 175) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(136, 221, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 221, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 221, 175);  
box-shadow:4px 4px 4px 4px rgb(136, 221,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7477, 60.0423, 49.8410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 221, 175) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(136,  
221, 175) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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